HA-1100 (hydrochloride)

Item No. 14413

CAS Registry No.: 155558-32-0
Formal Name: 5-[(hexahydro-1H-1,4-diazepin-1-yl)sulfonyl]-1(2H)-isoquinolinone, monohydrochloride
MF: C_{14}H_{17}N_{3}O_{3}S • HCl
FW: 343.8
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid
UV/Vis: λ_{max}: 246, 300 nm

Laboratory Procedures

For long term storage, we suggest that HA-1100 (hydrochloride) be stored as supplied at -20°C. It should be stable for at least two years.

HA-1100 (hydrochloride) is supplied as a crystalline solid. A stock solution may be made by dissolving the HA-1100 (hydrochloride) in the solvent of choice. HA-1100 (hydrochloride) is soluble in DMSO at a concentration of approximately 1.1 mg/ml.

HA-1100 (hydrochloride) is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, HA-1100 (hydrochloride) should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. HA-1100 (hydrochloride) has a solubility of approximately 0.5 mg/ml in a 1:1 solution of DMSO:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

HA-1100, a cell-permeable hydroxylated metabolite of HA-1077 (Item No. 10010559), is a potent inhibitor of Rho-associated kinase (ROCK) (Kᵢ = 150 nM).^{1} It less effectively inhibits protein kinase A (Kᵢ = 2.2 μM).^{1} It has been used to explore the role of ROCK in hypoxic and ischemic signaling as well as arterial relaxation.^{2-5}

References


Related Products

For a list of related products please visit: www.caymanchem.com/catalog/14413

WARNING: THIS PRODUCT IS FOR LABORATORY RESEARCH ONLY; NOT FOR ADMINISTRATION TO HUMANS. NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Safety Data Sheet, which has been sent or email to your institution.

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Cayman Chemical

Mailing address
1180 E. Ellsworth Road
Ann Arbor, MI
48108 USA

Phone
(800) 364-9897
(734) 971-3335

Fax
(734) 971-3640

E-Mail
custserv@caymanchem.com

Web
www.caymanchem.com

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